

#6

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/S35 764
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PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/535,764

DATE: 06/01/2005
TIME: 16:24:01

Input Set : A:\14875-0144US1.txt
Output Set: N:\CRF4\06012005\J535764.raw

3 <110> APPLICANT: Tsuchiya, Masayuki
4 Suzuki, Masami
5 Yoshida, Kenji
6 Fujii, Etsuko
7 Matsubara, Kouichi
8 Tsunoda, Hiroyuki
10 <120> TITLE OF INVENTION: ANTIBODIES AGAINST LESIONAL TISSUES
12 <130> FILE REFERENCE: 14875-144US1
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/535,764
C--> 14 <141> CURRENT FILING DATE: 2005-05-20
14 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/014919
15 <151> PRIOR FILING DATE: 2003-11-21
17 <150> PRIOR APPLICATION NUMBER: JP 2002-339241
18 <151> PRIOR FILING DATE: 2002-11-22
20 <160> NUMBER OF SEQ ID NOS: 188
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 360
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: CDS
31 <222> LOCATION: (1)..(360)
32 <223> OTHER INFORMATION:
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37	1			5					10					15			
39	tca	gtg	aag	gtc	tcc	tgt	cag	gct	tct	gga	tac	atg	ttc	acc	ggc	ttc	96
40	Ser	Val	Lys	Val	Ser	Cys	Gln	Ala	Ser	Gly	Tyr	Met	Phe	Thr	Gly	Phe	
41		20							25					30			
43	tat	atg	cac	tgg	gtg	cga	cag	gcc	cct	gga	caa	ggg	ctt	gag	tgg	atg	144
44	Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met	
45		35							40					45			
47	gga	tgg	atg	aac	act	aac	agt	ggt	gcc	aca	ggc	tat	gca	cac	aag	ttt	192
48	Gly	Trp	Met	Asn	Thr	Asn	Ser	Gly	Ala	Thr	Gly	Tyr	Ala	His	Lys	Phe	
49		50							55					60			
51	cag	gac	agg	gtc	acc	ctg	acc	agg	gac	acg	tcc	atc	agc	aca	ggc	tac	240
52	Gln	Asp	Arg	Val	Thr	Leu	Thr	Arg	Asp	Thr	Ser	Ile	Ser	Thr	Gly	Tyr	
53	65			70						75				80			
55	atg	gag	ctg	ggc	gtc	aca	tct	gac	gac	acg	gcc	gtg	tat	tat	tgt	288	
56	Met	Glu	Leu	Gly	Gly	Leu	Thr	Ser	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
57									85					95			

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59 gcg aga acc cag gag gtt tac tac tac gct atg gac gtc tgg ggc caa 336
60 Ala Arg Thr Gln Glu Val Tyr Tyr Ala Met Asp Val Trp Gly Gln
61 100 105 110
63 ggg cca atg gtc acc gtc tct tca 360
64 Gly Pro Met Val Thr Val Ser Ser
65 115 120
68 <210> SEQ ID NO: 2
69 <211> LENGTH: 120
70 <212> TYPE: PRT
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 2
74 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
75 1 5 10 15
77 Ser Val Lys Val Ser Cys Gln Ala Ser Gly Tyr Met Phe Thr Gly Phe
78 20 25 30
80 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
81 35 40 45
83 Gly Trp Met Asn Thr Asn Ser Gly Ala Thr Gly Tyr Ala His Lys Phe
84 50 55 60
86 Gln Asp Arg Val Thr Leu Thr Arg Asp Thr Ser Ile Ser Thr Gly Tyr
87 65 70 75 80
89 Met Glu Leu Gly Gly Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys
90 85 90 95
92 Ala Arg Thr Gln Glu Val Tyr Tyr Ala Met Asp Val Trp Gly Gln
93 100 105 110
95 Gly Pro Met Val Thr Val Ser Ser
96 115 120
99 <210> SEQ ID NO: 3
100 <211> LENGTH: 366
101 <212> TYPE: DNA
102 <213> ORGANISM: Homo sapiens
104 <220> FEATURE:
105 <221> NAME/KEY: CDS
106 <222> LOCATION: (1)..(366)
107 <223> OTHER INFORMATION:
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111 Gln Val Gln Leu Val Gln Ser Gly Gly Val Val Gln Pro Gly Arg
112 1 5 10 15
114 tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttc agt agc aat 96
115 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Asn
116 20 25 30
118 ggc atg cac tgg gtc cgc cag gct cca ggc aag ggg ctg gag tgg gtg 144
119 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
120 35 40 45
122 gca gtt ata tgg tat gat gga agt aat aaa tac tat gca gac tcc gtg 192
123 Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
124 50 55 60
126 aag ggc cga ttc acc atc tcc aga gac aat tcc aag aac aca ctg tat 240

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127 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
128 65 70 75 80
130 ctg caa atg aac agc ctg aga gcc gag gac acg gct gtg tat tac tgt 288
131 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
132 85 90 95
134 gcg aga gat cac ggc ctt ggt gat caa gcc tcc tgg ttc gac ccc tgg 336
135 Ala Arg Asp His Gly Leu Gly Asp Gln Ala Ser Trp Phe Asp Pro Trp
136 100 105 110
138 ggc cag gga acc ctg gtc acc gtc tcc tca 366
139 Gly Gln Gly Thr Leu Val Thr Val Ser Ser
140 115 120
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 122
145 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 4
149 Gln Val Gln Leu Val Gln Ser Gly Gly Val Val Gln Pro Gly Arg
150 1 5 10 15
152 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Asn
153 20 25 30
155 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
156 35 40 45
158 Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
159 50 55 60
161 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
162 65 70 75 80
164 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
165 85 90 95
167 Ala Arg Asp His Gly Leu Gly Asp Gln Ala Ser Trp Phe Asp Pro Trp
168 100 105 110
170 Gly Gln Gly Thr Leu Val Thr Val Ser Ser
171 115 120
174 <210> SEQ ID NO: 5
175 <211> LENGTH: 366
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
179 <220> FEATURE:
180 <221> NAME/KEY: CDS
181 <222> LOCATION: (1)..(366)
182 <223> OTHER INFORMATION:
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185 cag gtc cag ctg gtg caa tct ggg gga ggc gtc cag cct ggg agg 48
186 Gln Val Gln Leu Val Gln Ser Gly Gly Val Val Gln Pro Gly Arg
187 1 5 10 15
189 tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttc agt agc aat 96
190 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Asn
191 20 25 30
193 ggc atg cac tgg gtc cgc cag gct cca ggc aag ggg ctg gag tgg gtg 144
194 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

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195	35	40	45		
197	gca gtt ata tgg tat gat gga agt aat aaa tac tat gca gac tcc gtg			192	
198	Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val				
199	50	55	60		
201	aag ggc cga ttc acc atc tcc aga gac aat tcc aag aac aca ctg tat			240	
202	Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr				
203	65	70	75	80	
205	ctg caa atg aac agc ctg aga gcc gag gac acg gct gtg tat tac tgt			288	
206	Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys				
207	85	90	95		
209	gcg aga gat cac ggc ctt ggt gat caa gcc tcc tgg ttc gac ccc tgg			336	
210	Ala Arg Asp His Gly Leu Gly Asp Gln Ala Ser Trp Phe Asp Pro Trp				
211	100	105	110		
213	ggc cag gga acc ctg gtc acc gtc tcc tca			366	
214	Gly Gln Gly Thr Leu Val Thr Val Ser Ser				
215	115	120			
218	<210> SEQ ID NO: 6				
219	<211> LENGTH: 122				
220	<212> TYPE: PRT				
221	<213> ORGANISM: Homo sapiens				
223	<400> SEQUENCE: 6				
224	Gln Val Gln Leu Val Gln Ser Gly Gly Val Val Gln Pro Gly Arg				
225	1	5	10	15	
227	Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Asn				
228	20	25	30		
230	Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val				
231	35	40	45		
233	Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val				
234	50	55	60		
236	Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr				
237	65	70	75	80	
239	Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys				
240	85	90	95		
242	Ala Arg Asp His Gly Leu Gly Asp Gln Ala Ser Trp Phe Asp Pro Trp				
243	100	105	110		
245	Gly Gln Gly Thr Leu Val Thr Val Ser Ser				
246	115	120			
249	<210> SEQ ID NO: 7				
250	<211> LENGTH: 340				
251	<212> TYPE: DNA				
252	<213> ORGANISM: Homo sapiens				
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255	<221> NAME/KEY: CDS				
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257	<223> OTHER INFORMATION:				
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260	cag gtg cag ctg gtg caa tct ggg gct gag gtg agg aag cct ggg acg			48	
261	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Arg Lys Pro Gly Thr				
262	1	5	10	15	

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264 aca gtg aca atc tcc tgc aag gtt tct gga cac aac ttc atc gac cac	96
265 Thr Val Thr Ile Ser Cys Lys Val Ser Gly His Asn Phe Ile Asp His	
266 20 25 30	
268 tac atg cat tgg gta caa cag gcc cct gga aaa ggg ctt gac tgg atg	144
269 Tyr Met His Trp Val Gln Gln Ala Pro Gly Lys Gly Leu Asp Trp Met	
270 35 40 45	
272 gga cta att gac cct gaa gat ggt cag acg aaa tat tca gag agg ttt	192
273 Gly Leu Ile Asp Pro Glu Asp Gly Gln Thr Lys Tyr Ser Glu Arg Phe	
274 50 55 60	
276 gag ggc aga gtc aca att acc gcg gac aag tca aca gac aca acc tac	240
277 Glu Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Asp Thr Thr Tyr	
278 65 70 75 80	
280 ttg gag gtg agc ggc ctg aga tcg gaa gac acg gcc gtt tat ttc tgt	288
281 Leu Glu Val Ser Gly Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys	
282 85 90 95	
284 aca acg gac ttg ggt gac ttg aat tat tgg aac cct ggt cac cgt ctc	336
285 Thr Thr Asp Leu Gly Asp Leu Asn Tyr Trp Asn Pro Gly His Arg Leu	
286 100 105 110	
288 ctc a	340
289 Leu	
293 <210> SEQ ID NO: 8	
294 <211> LENGTH: 113	
295 <212> TYPE: PRT	
296 <213> ORGANISM: Homo sapiens	
298 <400> SEQUENCE: 8	
299 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Arg Lys Pro Gly Thr	
300 1 5 10 15	
302 Thr Val Thr Ile Ser Cys Lys Val Ser Gly His Asn Phe Ile Asp His	
303 20 25 30	
305 Tyr Met His Trp Val Gln Gln Ala Pro Gly Lys Gly Leu Asp Trp Met	
306 35 40 45	
308 Gly Leu Ile Asp Pro Glu Asp Gly Gln Thr Lys Tyr Ser Glu Arg Phe	
309 50 55 60	
311 Glu Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Asp Thr Thr Tyr	
312 65 70 75 80	
314 Leu Glu Val Ser Gly Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys	
315 85 90 95	
317 Thr Thr Asp Leu Gly Asp Leu Asn Tyr Trp Asn Pro Gly His Arg Leu	
318 100 105 110	
320 Leu	
324 <210> SEQ ID NO: 9	
325 <211> LENGTH: 366	
326 <212> TYPE: DNA	
327 <213> ORGANISM: Homo sapiens	
329 <220> FEATURE:	
330 <221> NAME/KEY: CDS	
331 <222> LOCATION: (1)..(366)	
332 <223> OTHER INFORMATION:	

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/01/2005
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Input Set : A:\14875-0144US1.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

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Seq#:116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133
Seq#:134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151
Seq#:152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169
Seq#:170,171,172,173,174,175,176,177,178,179,180,181,182

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/535,764

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Input Set : A:\14875-0144US1.txt
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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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